



virtual machines optimization &lt;near&gt; migrating

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**[HTML]** Optimizing the migration of virtual computers[useunix.org \[HTML\]](#)

CP Sapuntzakis, R Chandra, B Pfaff, J Chow, ... - ACM SIGOPS ..., 2002 · useunix.org

... On larger installs, the cost of transferring the disk via HCP is **near** that of the original ... Hashing is designed as an **optimization** for slow network connections; on a fast network, hashing can ... Much work was done in the 1970s on **virtual machines** at the hardware level[9] and interest ...

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W Zhu, CL Wang, FCM Lau

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JE Smith, R Nair - 2005 · books.google.com

... 4.5 Code Reordering 186 4.6 Code Optimizations 201 4.7 Same-ISA **Optimization** Systems: Special ... Chapter One Introduction to **Virtual Machines** Modern computers are among the most advanced human ... most concerned with the abstraction levels that are at or **near** the hardware ...

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M Rosenthal, T Garfinkel - Computer, 2005

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B Alpern, S Augart, SM Blackburn, M Butrioo, A ... - IBM Systems ..., 2005 · Citeseer

... the project was to simply improve the state of the art in **virtual-machine** technology ... tests on several configurations of the system, varying policies for garbage collection, **optimization**, and assertion ...

To address these issues, the project committed to **migrate** to a CVS 16 (Concurrent ...[Cited by 84](#) - Related articles - View as HTML - [Bl Direct](#) - All 21 versions**[CITATION]** Virtual machine hosting for networked clusters: Building the foundations for “autonomic” orchestration[psu.edu \[PDF\]](#)

L Grit, D Irwin, A Yumerefendi, J Chase

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AI Sundararaj, PA Dinda - ... of the 3rd conference on Virtual Machine ..., 2004 - portal.acm.org  
... 31. [31] SAPUNTZAKIS, CP, CHANDRA, R., PFAFF, B., CHOW, J., LAM, MS, AND ROSENBLUM;  
**M. Optimizing the migration of virtual ...** Ganesh Venkitachalam , Beng-Hong Lim, Virtualizing I/O  
Devices on VMware Workstation's Hosted **Virtual Machine** Monitor, Proceedings ...  
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[CITATION] High performance **virtual machine migration** with RDMA over modern interconnects

psu.edu [PDF]

W Huang, Q Gao, J Liu, DK Panda - 2007 IEEE International Conference on Cluster ..., 2007

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[PDF] Bilevel parallel genetic algorithms for **optimization** of large steel structures

blackwellpublishing.com [PDF]

KC Sarma, H Adeli - Computer-Aided Civil and ..., 2001 - blackwellpublishing.com  
... structures are presented in this section using the processor farming and **migration** schemes. ... The  
parallel fuzzy GA for **optimization** of steel struc- tures based on the processor ... dynamic load  
balancing and message-passing constructs from the Parallel **Virtual Machine** (PVM) API ...

Cited by 35 - Related articles - SI Direct - All 7 versions

Design and implementation of a distributed **virtual machine** for networked computers

psu.edu [PDF]

EG Sirer, R Grimm, AJ Gregory, BN ... - ACM SIGOPS Operating ..., 1999 - portal.acm.org  
... shortcomings by decoupling verification from the rest of the VM, **migrating** its functionality ... Java  
applications and utilized this data in designing a transparent **optimization** service [Aldrich ... 3.4  
Compilation Compilation in monolithic **virtual machines** is typically accomplished by a just ...

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W Zhu, CL Wang, FCM Lau

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J Xu, S Adabala, JAB Fortes

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J Bustos-Jimenez, D Caromet, A Di ... - Proceedings of the ..., 2005 - ieeexplore.ieee.org

... group of results [2]. ProActive provides a way to move any active object from any Java Virtual Machine (JVM) to ... With this group of machines we used the P2P infrastructure to share JVMs ... If this update time is less than migration time, extra migrations which affects the application ...

[Cited by 17 - Related articles - All 14 versions](#)**Thread migration and its applications in distributed shared memory systems1**

A Itzkovitz, A Schuster, L Shaviv - Journal of Systems and Software, 1998 - Elsevier

... We also explain the benefits of dynamic load distribution schemes and thread migration in multithreaded DSM systems. ... algorithm may do very well even if machines know the status of only part of the other machines in the ... Multiple threads within a process share its virtual space. ...

[Cited by 106 - Related articles - All 9 versions](#)**PVM: Experiences, current status and future direction**

D Beguelin, M Geist, W Otto - 1993 - computer.org

... we will also develop tools for monitoring overall system load, resource availability ... The CPE will also provide a runtime environment and target (virtual) machine for compilers such ... system will support automatic redistribution of work, through dynamic process migration, in order ...

[Cited by 54 - Related articles - All 7 versions](#)**AdJava: automatic distribution of Java applications**[psu.edu \(PDF\)](#)

MM Fuad, MJ Oudshoorn - Proceedings of the twenty-fifth ..., 2002 - portal.acm.org

... On the other hand, the agents pass their current **load status** which is used by the root daemon to ... After **migration** of an object, the table is updated to reflect the new address of the object. ... values in RMI calls, it can pass the true type of an object from one **virtual machine** to another ...

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## Portable support for transparent thread **migration** in Java

[psu.edu \[PDF\]](#)

E Truyen, B Robben, B Vanhaute, T Coninx, W ... - ... Agents, and Applications - Springer

... used in the Java byte code verifier, as described in the Java **Virtual Machine** specification [6 ... the external control instance to discover when an agent's task is ready for **migration**. We demonstrated a **load balancing application** using this variant execution model at OOPSLA'99 [10 ...

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## [CITATION] Magnet: A novel scheduling policy for power reduction in cluster with **virtual machines**

L Hu, H Jin, X Liao, X Xiong, H Liu - 2008 IEEE International Conference on Cluster ..., 2008

[Cited by 9](#) - Related articles

## [PDF] Transparent process **migration** for distributed **applications** in a Beowulf cluster

[psu.edu \[PDF\]](#)

M Claypool, D Finkel - ... of the International Networking Conference (INC), ..., 2002 - Citeseer

... simplify the creation of distributed parallel **applications** for Beowulf clusters: • PVM, Parallel **Virtual Machine**, is a ... An important aspect of any process **migration** scheme is how to decide when to transfer ... available or nodes that need to off-load work broadcast their **status** to all the ...

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## [CITATION] Dynamic **load** balancing of distributed SPMD computations with explicit message-passing

[psu.edu \[PDF\]](#)

M Cermeli, M Cotajanni, G Necci - ... Workshop, 1997.(HCW'97) Proceedings., Sixth, 1997

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